

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

5. Lease Serial No.
NMSF078416A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
HARDIE LS 5

9. API Well No.
30-045-07946-00-S1

10. Field and Pool, or Exploratory
BLANCO MESAVERDE

11. County or Parish, and State
SAN JUAN COUNTY, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
BP AMERICA PRODUCTION CO

Contact: MARY CORLEY, CONS. DIV.
E-Mail: corleyml@bpl.com

3a. Address
P. O. BOX 3092
HOUSTON, TX 77253

3b. Phone No. (include area code)
Ph: 281.366.4491
Fx: 281.366.0700

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 23 T29N R8W SESW 0990FSL 1650FWL
36.70650 N Lat, 107.64861 W Lon

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Subsurface Commingling
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Add Pay

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

10/10/2002 MIRU workover rig. NDWH. NU BOPs. TOH w/2-3/8" production TBG. TIH w/RBP & set @ 1200'. Loaded CSG w/2% KcL WTR & pressure tased CSG to 500#. Held Ok. TOH. DN BOPs & WH. Remove old CSG head & install new. Pressure test to 1700#. Held ok. RU, TIH w/CIBP & set @ 5264'. RU & ran GR CCL log. RU & perforate Menefee formation w/2 JSPF, .470 inch diameter, 17 shots / 34 holes: 4929', 4958', 4979', 4988', 4993', 5008', 5034', 5036', 5064', 5066', 5122', 5133', 5141', 5156', 5236', 5245', 5252'. RU & frac w/93,520# of 16/30 Brady Sand, 70 % Quality Foam, & N2. RU & flow back thru 1/4" choke for 19.5 hrs. Upsized choke to 1/2" & flowed back for 20 hrs. Upsized choke to 3/4" & flowed back for 26 hrs. TIH w/CIBP & set @ 4666'. Loaded hole w/2% KcL WTR & pressure tested to 2500#. Test ok. RU & Perf Lewis Shale formation w/2 JSPF, .470 inch diameter, 11 shots / 22 holes: 4180', 4220', 4258', 4288', 4348', 4422', 4458', 4491', 4522', 4608', 4624'. RU & frac w/248,581# of 20/40 & 40/70 Brady Sand, 70 % Quality Foam, & N2. RU & Flowback thru 1/4" choke for 36 hrs. Upsized choke to 1/2" & flowed back 8.5 hrs. Upsized choke to 3/4" & flowed back 12.5 hrs. TIH &

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #15621 verified by the BLM Well Information System
For BP AMERICA PRODUCTION CO, sent to the Farmington
Committed to AFMSS for processing by Matthew Halbert on 11/26/2002 (03MXH0215SE)

Name (Printed/Typed) MARY CORLEY

Title AUTHORIZED REPRESENTATIVE

Signature (Electronic Submission)

Date 10/30/2002

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By

ACCEPTED

MATTHEW HALBERT
Title PETROLEUM ENGINEER

Date 11/26/2002

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office Farmington

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****

NMOC

Additional data for EC transaction #15621 that would not fit on the form

32. Additional remarks, continued

tagged fill @ 4573'. Circ hole clean to CIBP set @ 4666'. Mill out CIBP. TIH & tagged fill @ 5123'. Circ clean to CIBP set @ 5264'. PU above perms & flowed back thru 3/4" choke for 9.5 hrs. TIH & tagged 4' fill. C/O to CIBP. Mill out CIBP & circ hole clean to PBTD @ 5531'. PU above perms & flowed well for 4 hrs thru 3" lines. TIH & found 0 fill. PU above perms & flow tested well 12 hrs. 115 MCF gas. TIH w/2-3/8" production TBG & land @ 5398'. ND BOPs. NUWH 10/30/2002 RDMO workover rig.

Returned well to production ~~and~~.